

## WHAT IS CLAIMED IS:

1. A carrier medium comprising program instructions for amending one or more conditions of a reinsurance contract, wherein the program instructions are computer-executable to implement a method of:
  - identifying an inheritable class of objects to represent the one or more conditions of a reinsurance contract, wherein the reinsurance contract is represented by an reinsurance contract object, wherein the reinsurance contract object is a parent of a section object;
  - creating an instance of the inheritable class of objects to identify a condition object, wherein the condition object is a child of the section object;
  - configuring properties and methods of the condition object consistent with the reinsurance contract to define an amended reinsurance contract.
2. The carrier medium of claim 1, wherein the condition object is amended in context of the section object.
3. The carrier medium of claim 1, wherein the condition object is connected to other section objects, wherein the condition object inherits properties from the connected other section objects.
4. The carrier medium of claim 1, wherein the class of inheritable objects comprises a protection class.
5. The carrier medium of claim 1, wherein the class of inheritable objects comprises a section classification class.
6. The carrier medium of claim 1, wherein the condition object describes a premium limit condition.
7. The carrier medium of claim 1, wherein the condition object describes a share percentage condition.
8. The carrier medium of claim 1, wherein the condition object describes a deduction condition.

9. The carrier medium of claim 1, wherein configuring the properties and the methods of the condition object consistent with the reinsurance contract comprises:

identifying a new condition of the inheritable object class, wherein the one or  
5 more conditions excludes the new condition;

identifying a new subclass of objects to the reinsurance contract class of objects;  
creating a new component object by instantiating the new subclass of objects,  
wherein the new component object is a child object to the reinsurance contract object.

10. The carrier medium of claim 4, wherein the protection class comprises a  
10 proportional protection assignment subclass or a non-proportional protection assignment  
subclass.

11. The carrier medium of claim 5, wherein the section classification class comprises  
properties, wherein the properties describe a country, a main class of business and a class  
of business associated with the section classification class.

15 12. The carrier medium of claim 1, wherein the program instructions are further  
computer-executable to implement:

storing the one amended insurance contract in memory.

13. The carrier medium of claim 1,  
wherein the carrier medium comprises a memory medium.

20 14. The carrier medium of claim 1,  
wherein the carrier medium comprises a transmission medium.

15. A method comprising program instructions for amending one or more conditions  
of a reinsurance contract, wherein the method comprises:

identifying an inheritable class of objects to represent the one or more conditions  
25 of a reinsurance contract, wherein the reinsurance contract is represented by an  
reinsurance contract object, wherein the reinsurance contract object is a parent of a  
section object;

creating an instance of the inheritable class of objects to identify a condition  
object, wherein the condition object is a child of the section object;

configuring properties and methods of the condition object consistent with the reinsurance contract to define an amended reinsurance contract.

16. The method of claim 15, wherein the condition object is amended in context of the section object.

5 17. The method of claim 15, wherein the condition object is connected to other section objects, wherein the condition object inherits properties from the connected other section objects.

18. The method of claim 15, wherein the class of inheritable objects comprises a protection class.

10 19. The method of claim 15, wherein the class of inheritable objects comprises a section classification class.

20. The method of claim 15, wherein the condition object describes a premium limit condition.

15 21. The method of claim 15, wherein the condition object describes a share percentage condition.

22. The method of claim 15, wherein the condition object describes a deduction condition.

23. The method of claim 15, wherein configuring the properties and the methods of the condition object consistent with the reinsurance contract comprises:

20 identifying a new condition of the inheritable object class, wherein the one or more conditions excludes the new condition;

identifying a new subclass of objects to the reinsurance contract class of objects;

creating a new component object by instantiating the new subclass of objects, wherein the new component object is a child object to the reinsurance contract object.

25 24. The method of claim 18, wherein the protection class comprises a proportional protection assignment subclass or a non-proportional protection assignment subclass.

25. The method of claim 19, wherein the section classification class comprises properties, wherein the properties describe a country, a main class of business and a class of business associated with the section classification class.

26. The method of claim 15, wherein the method further comprises:  
storing the one amended insurance contract in memory.
27. A system for reinsurance transaction processing, comprising:  
a reinsurance contract framework;  
5 a multi-dimensional reinsurance contract framework;  
a condition component framework;  
a reinsurance contract object derived from the reinsurance contract framework;  
one or more insured period objects derived from the multi-dimensional  
reinsurance contract framework, wherein each insured period object is a child of the  
10 reinsurance contract object;  
one or more life cycle phase objects derived from the multi-dimensional  
reinsurance contract framework, wherein each life cycle phase object is a child of one of  
the insured period objects;  
one or more amendment objects derived from the multi-dimensional reinsurance  
15 contract framework, wherein each amendment object is a child of one of the life cycle  
phase objects;  
one or more section objects derived from the multi-dimensional reinsurance  
contract framework, wherein at least one section object is a child of one of the life cycle  
phase objects;  
20 one or more condition objects derived from the condition component framework,  
wherein at least one condition object is a child of one of the section objects; and  
wherein the one or more condition objects are configurable for the reinsurance  
transaction processing.
28. The system of claim 27 further comprising a computer system to execute the  
25 reinsurance contract framework, the multi-dimensional reinsurance contract framework  
and the condition component framework.
29. The system of claim 28, wherein the computer system comprises a display device  
coupled to the computer system to display data.
30. The system of claim 29, wherein the display device is a display screen.

31. The system of claim 28, wherein the computer system comprises a user input device coupled to the computer system to enter data.

32. The system of claim 31, wherein the user input device is a mouse or a keyboard.

33. A carrier medium comprising program instructions for a graphical user interface,  
5 wherein the program instructions are computer-executable to implement a method of:

displaying a first window comprising one or more window panels and a navigational tool, wherein the navigation tool comprises one or more tool panels, wherein each of the one or more tool panels or each of the one or more window panels comprises one or more interface items for receiving user inputs, wherein the one or more window  
10 panels and the one or more tool panels display data associated with one or more properties and one or more methods of a reinsurance contract object;

receiving a selection for a first interface item;

displaying a second window in response to receiving the selection for the first interface item, wherein the second window comprises one or more second window panels  
15 and the navigational tool, wherein the second window panels and the one or more tool panels display data consistent with receiving the selection for the first interface item;

receiving a selection for a second interface item to return to the first window; and

wherein a hierarchy of windows comprises the first and second window and wherein the hierarchy of windows provides the graphical user interface to process a  
20 reinsurance business transaction.

34. The carrier medium of claim 33, wherein the first interface item is an icon.

35. The carrier medium of claim 33, wherein the first interface item is a button.

36. The carrier medium of claim 33, wherein the reinsurance contract object is configurable to process the reinsurance business transaction.

25 37. The carrier medium of claim 33, wherein the reinsurance business transaction is a reinsurance contract transaction.

38. The carrier medium of claim 33, wherein the reinsurance contract object comprises one or more insured period objects, wherein each insured period object

identifies a particular time period during which a particular reinsurance contract remains in effect.

39. The carrier medium of claim 38, wherein each insured period object comprises one or more life cycle phase objects, wherein each life cycle phase object identifies a particular phase in a life cycle of the particular reinsurance contract during the particular time period.

40. The carrier medium of claim 39, wherein each life cycle phase object comprises one or more section objects, wherein the one or more section objects are arranged in a hierarchy starting with a main section, wherein each section object comprises children section objects.

41. The carrier medium of claim 39, wherein each life cycle phase object comprises one or more amendment objects, wherein the one or more amendment objects are operable to amend one or more condition objects, wherein the one or more amendment objects are shared amongst the one or more life cycle phase objects within the particular time period.

42. The carrier medium of claim 40, wherein each of the one or more section objects comprises one or more inheritable objects, wherein each inheritable object is owned by a section object, wherein each inheritable object is operable to inherit or share a method or a property from another section object.

43. The carrier medium of claim 33, wherein the one or more window panels and the navigational tool are tiled together.

44. The carrier medium of claim 33, wherein the one or more window panels and the navigational tool are non-overlapping.

45. The carrier medium of claim 33, wherein the one or more window panels are user configurable for their size and their shape.

46. The carrier medium of claim 33, wherein displaying data consistent with receiving the selection for the first interface item comprises:

executing a program to select the second window for display by using the received selection for the first interface item as an input;

accessing a database to retrieve the data associated with the second window.

47. A system for amending one or more conditions of a reinsurance contract, the system comprising:
- 5 a computer program;  
a computer system;  
wherein the computer program is executable on the computer system to execute the method of:
- 10 identifying an inheritable class of objects to represent the one or more conditions of a reinsurance contract, wherein the reinsurance contract is represented by an reinsurance contract object, wherein the reinsurance contract object is a parent of a section object;
- creating an instance of the inheritable class of objects to identify a condition object, wherein the condition object is a child of the section object;
- 15 configuring properties and methods of the condition object consistent with the reinsurance contract to define an amended reinsurance contract.
48. The system of claim 47, wherein the computer system comprises a display device coupled to the computer system to display data.
- 20 49. The system of claim 48, wherein the display device is a display screen.
50. The system of claim 47, wherein the computer system comprises a user input device coupled to the computer system to enter data.
51. The system of claim 50, wherein the user input device is a mouse or a keyboard.

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